



RE: Stormwater Tech Team FSP Meeting Jan 12th

Valerie Oster to: Carl Stivers

Cc: Andy Koulermos, dawnS, LindaSC, IJones, Simon Page, TARNOW
Karen E, Kristine Koch

01/04/2007 11:22 AM

Hi all -

There's a room available at Stoel Rives, 900 SW 5th Ave, suite 2600. It will be room CR6.

You can use this call-in number:

Non Responsive

either Carl or Laura should enter the host code).

Please let me know how many will be attending at Stoel, and I will have lunches delivered.

Thanks
valerie

Valerie Thompson Oster

Anchor Environmental, L.L.C

6650 SW Redwood Lane, Suite 110

Portland, OR 97224

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-----Original Message-----

From: Carl Stivers
Sent: Wednesday, January 03, 2007 4:16 PM
To: Valerie Oster
Cc: Andy Koulermos; dawns@bes.ci.portland.or.us;
LindaSC@BES.CI.PORTLAND.OR.US;
ljones@integral-corp.com; Simon Page;
TARNOW Karen E; Koch.Kristine@epamail.epa.gov
Subject: Stormwater Tech Team FSP Meeting Jan 12th

Valerie -

This LWG/Agency team will be meeting from 10 to 3 pm
in Portland, can
you suggest a meeting space and conference line?

Carl

Carl Stivers
Anchor Environmental, L.L.C.
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
Phone: 206-287-9130
Fax: 206-287-9131

cstivers@anchorenv.com

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by electronic mail,
cstivers@anchorenv.com.

-----Original Message-----

From: Koch.Kristine@epamail.epa.gov
[mailto:Koch.Kristine@epamail.epa.gov]
Sent: Thursday, December 21, 2006 2:43 PM
To: Carl Stivers
Cc: Andy Koulermos; dawns@bes.ci.portland.or.us;
LindaSC@BES.CI.PORTLAND.OR.US;
ljones@integral-corp.com; Simon Page;
TARNOW Karen E
Subject: RE: SW Protocol Framework - Outstanding
issues.

Is this something I can do by conference call or
should I attend in
person? Either would be ok for me, I just need to
know if I should put
in for travel.

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup
1200 Sixth Avenue, M/S ECL-115
Seattle, WA 98101
(206)553-6705
(206)553-0124 (fax)

Carl Stivers
<cstivers@anchor
env.com>

To

TARNOW Karen E

12/21/2006 12:36
<TARNOW.Karen@deq.state.or.us>,
PM
Koch/R10/USEPA/US@EPA,

Kristine

Andy Koulermos

<akoulermos@newfields.com>

cc

dawns@bes.ci.portland.or.us,
LindaSC@BES.CI.PORTLAND.OR.US,
ljones@integral-corp.com, Simon
<spage@anchorenv.com>

Page

Subject

RE: SW Protocol

Framework -

Outstanding

issues.

OK. Let's say the 12th. Can we start at 10 am and
work through lunch
so that people don't have a late Friday?

Carl

Carl Stivers
Anchor Environmental, L.L.C.
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-----Original Message-----

From: TARNOW Karen E [<mailto:TARNOW.Karen@deq.state.or.us>]
Sent: Thursday, December 21, 2006 12:11 PM
To: Koch.Kristine@epamail.epa.gov; Andy Koulermos
Cc: Carl Stivers; dawns@bes.ci.portland.or.us; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; Simon Page
Subject: RE: SW Protocol Framework - Outstanding issues.

I'm OK with holding the mtg on the 12th without me. I can have someone sit in for me, and/or provide my comments ahead of time. I think it's important that Kristine can participate, and that we get this done sooner rather than later.

-----Original Message-----

From: Koch.Kristine@epamail.epa.gov [<mailto:Koch.Kristine@epamail.epa.gov>]
Sent: Thursday, December 21, 2006 12:02 PM
To: Andy Koulermos
Cc: 'Carl Stivers'; dawns@bes.ci.portland.or.us; LindaSC@BES.CI.PORTLAND.OR.US; ljones@integral-corp.com; 'Simon Page'; TARNOW Karen E
Subject: RE: SW Protocol Framework - Outstanding issues.

What does the next week look like? I'm available the 16, 17, 18, and 19. I do have something scheduled on the 18th, but I can miss it if that is the only time others can meet.

Kristine Koch
Remedial Project Manager

USEPA, Office of Environmental Cleanup
1200 Sixth Avenue, M/S ECL-115
Seattle, WA 98101
(206)553-6705
(206)553-0124 (fax)

Andy Koulermos
<akoulermos@newfields.com>
To 'TARNOW Karen
E'
12/21/2006 11:58
<TARNOW.Karen@deq.state.or.us>, 'Carl Stivers'
AM
<cstivers@anchorenv.com>, Kristine
Koch/R10/USEPA/US@EPA,
dawns@bes.ci.portland.or.us,
LindaSC@BES.CI.PORTLAND.OR.US,
ljones@integral-corp.com
cc 'Simon Page'
<spage@anchorenv.com>
Subject RE: SW Protocol
Framework - Outstanding
issues.

Let the scheduling dance begin. I can't make the 9th
or 10th. Other
days work.

-----Original Message-----

From: TARNOW Karen E [
mailto:TARNOW.Karen@deq.state.or.us]
Sent: Thursday, December 21, 2006 12:50 PM
To: Carl Stivers; Koch.Kristine@epamail.epa.gov;
akoulermos@newfields.com;
dawns@bes.ci.portland.or.us;

LindaSC@BES.CI.PORTLAND.OR.US;
ljones@integral-corp.com
Cc: Simon Page
Subject: RE: SW Protocol Framework - Outstanding
issues.

The 10th is best for me (preferably not 10-12, but I
could make that
work if needed).

Next best is Thurs between 12 and 3:00

Third best is Thurs AM

I'm out of town on Friday the 12th

-----Original Message-----

From: Carl Stivers [mailto:cstivers@anchorenv.com]
Sent: Thursday, December 21, 2006 11:44 AM
To: Koch.Kristine@epamail.epa.gov; TARNOW Karen E;
akoulermos@newfields.com;
dawns@bes.ci.portland.or.us;
LindaSC@BES.CI.PORTLAND.OR.US;
ljones@integral-corp.com
Cc: Simon Page
Subject: RE: SW Protocol Framework - Outstanding
issues.

All -

My suggestion would be to have this meeting/call the
week of Jan 8th.
The 10th, 11th or 12th would be the preference. At
that point, Anchor
will have a reasonable draft FSP (there may be a few
blanks) that we can
pass around and discuss. In the meantime, I will use
this comment list
to understand any areas that might be impacted by the
outstanding issues
in the FSP and highlight those areas.

I think our goal of the meeting would be to finalize
any outstanding
technical issues so that any gaps in the FSP can be
written up and a
draft SAP can be submitted to managers for approval
with a week after
the meeting. This will require a fairly short review
cycle of the FSP
for the tech team--like a few days. But my hope is
that there will not
be any major issues with the FSP since the framework
pretty well already
fleshes it out.

In the mean time we are working with various parties
to schedule initial
recons of the sites in this same January time frame.

We are also
ordering major equipment.

Note I have copied Simon Page of Anchor on this email
and he will also
attend the meeting/call since he is taking the lead
on the FSP
development. Please continue to copy him on any
meeting arrangement or
FSP related issues.

Thanks.

Carl Stivers
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Seattle, WA 98101-2226
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cstivers@anchorenv.com

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by electronic mail,
cstivers@anchorenv.com.

-----Original Message-----

From: Koch.Kristine@epamail.epa.gov
[mailto:Koch.Kristine@epamail.epa.gov]
Sent: Thursday, December 21, 2006 10:28 AM
To: TARNOW.Karen@deq.state.or.us;
akoulermos@newfields.com;
dawns@bes.ci.portland.or.us;
LindaSC@BES.CI.PORTLAND.OR.US;
ljones@integral-corp.com; Carl Stivers
Subject: SW Protocol Framework - Outstanding issues.

All - here are the outstanding comments. Please look
them over and see
which ones are still an issue. I am available to
discuss Jan 2, 3, and
5. Let me know your availability for those dates
ASAP because I leave
at 3:30 today and will not return until Jan 2 (unless
someone else wants
to take the lead in setting up a meeting). I've
attached the most
recent version of the document for your review.

(See attached file: Storm water protocol framework.doc)

Background

1. Last paragraph, 3rd sentence, "The recommended data source for flow volumes (e.g. measured, modeled, or calculated) is under discussion."

KK comment: We need to resolve this issue.

2. Last paragraph, last sentence "... (e.g., catch basin solids and water grab samples)."

COP comment: Not sure that this means. Implies that we will use the screening level data will be used for loading? We should discuss this more - I think as written it may cause confusion.

Objectives for Developing Storm Water Protocol Framework

3. Items 8 & 9

LS comment: Can these two sections be combined?

4. Item 10

LS comment: Insert "priority"

KK response: I did not do this because it is discussed under item 12.

Design and Field Requirements

5. Title

AK comment: Insert "for Sampling Locations" at end of title.

KK response: Changed title to "Monitoring Location Design and Field Requirements".

6. Second paragraph.

LS comment: After 1st sentence, replace remainder of paragraph with "Key considerations for finalizing monitoring locations include representativeness, access, structure (e.g. pipe material, depth), equipment orientation and security, and

site-specific conditions such
as river backflow, groundwater infiltration and
inflow (I/I), and
non-stormwater discharges (e.g. non-contact
cooling water, base
flow). Depending on the discharge, the sample
plan may need to
include collection of information on the nature,
amount and timing of
non-storm water discharges in the collection
system.

KK response: I left the second sentence, "There
may be more to storm
water than just rain; there are other source
potentials than just the
water running into the drain.", but removed the
remainder of the
paragraph and replaced with suggested language.

7. Fourth paragraph, first sentence "... (e.g.,
field testing or
field inspection)..."

LS comment: Delete "testing or field".

KK response: I left this in because it may take
more than a field
inspection, e.g., dye test, smoke, etc., which are
field tests, to
determine drain structure.

8. Fourth paragraph, 2nd & 3rd sentences.

LS comment: Delete these sentences.

KK response: I kept these sentences, but made
Laura's changes and
did delete my question about needing to specify
minimum pipe size.

Sample Type

9. Whole Water Phase, first paragraph, last
sentence, "Discussions
are underway to identify some site-specific
filtered and unfiltered
data combinations that will be necessary to
validate the model
partitioning assumptions."

KK comment: We need to resolve this issue.

Frequency of Sampling

10. First paragraph, 2nd sentence, "... (e.g.,
October through May)."

LS comment: Replace October with March.

KK comment: I did not make this change because the storm season is from October through March, we are only planning to capture a portion of the storm season from March through May.

11. Solids phase.

KK comment: I removed the first part of the second sentence and replaced with "Therefore, only one composite sample will be collected and analyzed to represent the 2006/2007 storm year." Duration is discussed in next section.

Storm/Flow Requirements

12. First paragraph, 5th sentence, "To determine this, a facility should observe the record the time it began raining as well as the time you stopped sampling: a simple, inexpensive rain gauge and a watch will give you this information (i.e., water level in rain gauge and time when sampling began and stopped)."

LS comment: Can we simplify this to say a storm with a predicted volume of at least 0.2" and a minimum duration of 3 hours?

LS comment: I don't think this is the intent of the storm criteria. We are trying to avoid sampling events that are less than 3 hours duration, due to sample volume requirements, representativeness, and the risks of mobilizing for tiny rain events. The criteria are intended to target certain minimum storm sizes not intensities.

List of Chemicals

13. Last sentence, "Specific chemical analytes are provided in Table 3."

LS comment: Delete "chemical" and replace with "storm water and storm solids".

KK response: I deleted "chemical" and replaced with "storm water"; I added "for water and solids" after analytes.

Analytical Methods, Detection Limits, and Sample Size

14. Last sentence, "A discussion is underway to evaluate whether phthalates are a significant enough COI for storm water to warrant the additional sample collection and analytical expenses."

KK comment: We need to resolve this issue.

Analysis of PCB Congeners versus Aroclors

LJ - Check revised language and see if you still have concerns.

QA/QC

LJ - Check current language and see if it needs to be updated.

Table 2

This table will need to be updated based on response from PH managers.

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